

=====

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: Keisha Douglas

Timestamp: [year=2008; month=9; day=16; hr=10; min=20; sec=50; ms=495;]

=====

Application No: 10561485 Version No: 1.0

Input Set:

Output Set:

Started: 2008-08-14 13:13:13.116
Finished: 2008-08-14 13:13:34.840
Elapsed: 0 hr(s) 0 min(s) 21 sec(s) 724 ms
Total Warnings: 0
Total Errors: 0
No. of SeqIDs Defined: 571
Actual SeqID Count: 571

SEQUENCE LISTING

<110> MUNNES Marc
BOJAR Hans

<120> METHODS AND KITS FOR INVESTIGATING CANCER

<130> 2004P56020WOUS

<140> 10561485

<141> 2008-08-14

<150> PCT/EP04/011009

<151> 2004-10-02

<160> 571

<170> PatentIn version 3.1

<210> 1

<211> 1978

<212> DNA

<213> Homo sapiens

<400> 1

gggaggggtac	ttagggcccg	ggetggccca	ggctacggcg	gctgcagggc	tccggcaacc	60
gctccggcaa	cgccaaccgc	tccgetgctc	gcaggetggg	ctgcaggetc	tccgctgcag	120
cgctgggttg	atctaggatc	cggtttccaa	catgtggcag	ctctgggcct	ccctctgctg	180
cctgctggtg	ttggccaatg	cccggagcag	gcctcttttc	catccctgtg	cggatgagct	240
ggtcaactat	gtcaacaaac	ggaataccac	gtggcaggcc	gggcacaact	tctacaacgt	300
ggacatgagc	tacttgaaga	ggctatgttg	taccttctct	ggtgggcccc	agccaccccc	360
gagagttatg	tttaccgagg	acctgaagct	gcctgcaagc	ttcgatgcac	gggaacaatg	420
gccacagtgt	cccaccatca	aagagatcag	agaccagggc	tcctgtggct	cctgctgggc	480
cttcggggct	gtggaagcca	tctctgaccg	gatctgcata	cacaccaatg	cgcacgtcag	540
cgtggaggtg	tggcgaggag	acctgctcac	atgctgtggc	agcatgtgtg	gggacggctg	600
taatggtggc	tatcctgctg	aagcttggaa	cttctggaca	agaaaaggcc	tggtttcttg	660
tggcctctat	gaatcccatg	taggggtgcag	accgtactcc	atccctccct	gtgagcacca	720
cgtcaacggc	tcccgccccc	catgcacggg	ggaggggagat	accccccaagt	gtagcaagat	780
ctgtgagcct	ggctacagcc	cgacctacaa	acaggacaag	cactacggat	acaattccta	840
cagcgtctcc	aatagcgaga	aggacatcat	ggccgagatc	tacaaaaacg	gccccgtgga	900
gggagctttc	tctgtgtatt	cggacttcct	gctctacaag	tcaggagtgt	accaacacgt	960
caccggagag	atgatgggtg	gccatgccat	ccgcatacct	ggctggggag	tggagaatgg	1020
cacacctac	tggctggttg	ccaactcctg	gaacactgac	tggggtgaca	atggcttctt	1080
taaaatactc	agaggacagg	atcactgttg	aatcgaatca	gaagtgggtg	ctggaattcc	1140
acgcaccgat	cagtactggg	aaaagatcta	atctgccgtg	ggcctgtcgt	gccagtcctg	1200
ggggcgagat	cggggtagaa	atgcatttta	ttctttaagt	tcacgtaaga	tacaagtttc	1260
agacagggtc	tgaaggactg	gattggccaa	acatcagacc	tgtcttccaa	ggagaccaag	1320
tcctggctac	atcccagcct	gtggttacag	tgcagacagg	ccatgtgagc	caccgctgcc	1380
agcacagagc	gtccttcccc	ctgtagacta	gtgccgtagg	gagtacctgc	tgccccagct	1440
gactgtggcc	ccctccgtga	tccatccatc	tccagggagc	aagacagaga	cgcaggaatg	1500
gaaagcggag	ttcctaacag	gatgaaagtt	cccccatcag	ttcccccagt	acctccaagc	1560
aagtagcttt	ccacatttgt	cacagaaatc	agaggagaga	tgggtgtggg	agccctttgg	1620
agaacgccag	tctcccaggc	cccctgcata	tatcgagttt	gcaatgtcac	aacctctctg	1680
atcttgtgct	cagcatgatt	ctttaataga	agttttatct	tttctgtcac	tctgctaata	1740
atgtgggtga	gccagtggaa	cagcgggaga	cctgtgctag	ttttacagat	tgcctcctaa	1800
tgacgcggct	caaaaggaaa	ccaagtggtc	aggagtgtgt	tctgaccac	tgatctctac	1860
taccacaagg	aaaatagttt	aggagaaacc	agcttttact	gtttttgaaa	aattacagct	1920
tcaccctgtc	aagttaacaa	ggaatgcctg	tgccaataaa	agttttctcc	aacttgaa	1978

<210> 2
 <211> 3285
 <212> DNA
 <213> Homo sapiens
 <400> 2

ctagaattca	gcgccgctg	aattctagac	ccggatgaag	agtaacgcca	ttaccgcccg	60
agccgcgag	agccttagcc	gacggaaact	ggacactgga	ccggcagcgc	catgagactc	120
ctccccgct	tgtctgtgct	tctcttactc	gtgttccctg	ccactgtctt	gttccgaggc	180
ggccccagag	gctcgttagc	agtggcacaa	gatcttacag	aggatgaaga	aacagtagaa	240
gattccataa	ttgaggatga	agatgatgaa	gccgaggtag	aagaagatga	accacagat	300
ttggtagaag	ataaagagga	agaagatgtg	tctggtgaac	ctgaagcttc	accgagtgca	360
gatacaacta	tactgtttgt	aaaaggagaa	gattttccag	caaataacat	tgtgaagttc	420
ctggtaggct	ttaccaacaa	gggtacagaa	gattttattg	ttgaatcctt	agatgcctca	480
ttccgttatc	ctcaggacca	ccagttttat	atccagaatt	tcacagctct	tcctctgaac	540
actgtagtgc	caccccagag	acaggcaact	tttgagtact	ctttcattec	tgcagagccc	600
atgggcggac	gaccatttgg	tttggtcatc	aatctgaact	acaaagattt	gaacggcaat	660
gtattccaag	atgcagtctt	caatcaaaca	gttacagtta	ttgaaagaga	ggatgggtta	720
gatggagaaa	caatctttat	gtatatgttc	cttgctggtc	ttgggcttct	ggttattggt	780
ggccttcatc	aactcctaga	atctagaaaag	cgtaagagac	ccatacagaa	agtagaaaatg	840
ggtacatcaa	gtcagaatga	tgttgacatg	agttggattc	ctcaggaaac	attgaatcaa	900
atcaataaag	cttcaccaag	aagggtgccc	aggaaacggg	cacagaagag	atcagtggga	960
tctgatgagt	aaatgttcct	ttgtgcaaca	attcggctct	tacttaacct	gccctaatat	1020
ttttcggcct	gatgggaatt	agtgcagaga	agccagtcac	catagaaggc	aactcctact	1080
tgtgtgtgga	ctgagcaatc	agagtctgtg	gcgataatat	tgtctgaaaat	gcactgcatt	1140
catttttcta	aagtaacaaa	tttggttttt	ttttaaacca	ttaaaatcta	tgtgtgtgcg	1200
tgtgtatgta	tgtgagcagt	tggctcttacc	agaatcattg	ttgaactacc	tgaacaagt	1260
ctttagaata	ctaaatataa	tgtctgtgtc	tcttcctttt	tgacattttc	tgattttttc	1320
ccccaaaact	cagttaatat	ttaccacta	tgattattga	tgtcctgcct	tgaacagttt	1380
taaagaaaac	aatttttgga	atagctcaaa	tttcaattga	tggcacaaat	cagcattttg	1440
ttgttggttac	tgtattacaa	ttagtattct	aaaggcagaa	gcagaagtag	ctgcttttta	1500
gcaatagaat	tgtttcagta	ttttgtctgt	gtttaatgcg	catcttcaga	aaacttccca	1560
gtggcttcaa	ggaatttggg	gatctctctg	gcaacaaatt	gtgaaacatg	aaatttctgc	1620
tgactttaat	atatgaaacc	taatectacc	ccctttttta	acaaaaagaa	actagtacat	1680
ttgtgaaaat	tgtgttgtgt	tgtccattgt	tgtctagtt	ctgaccacaga	ggtagctctg	1740
gagtgatttt	agacctactc	actcagttgt	gtgtaggttt	ttttgttttg	ttttgagaga	1800
gaatttttct	ctccttaata	gaagcatcct	ttttaagag	aagttgcctt	ggteccacaca	1860
ctaagcagaa	aaccaagtta	tcaggacaga	gatatttccc	agttactcct	aatcaatgaa	1920
gaaagtgagt	tggatatattt	taaagcagtt	aactaatttt	ttcttaccta	atcttttggg	1980
agttttgctt	gttgatataa	cctttttagt	taacctgaaa	gattccaaaa	attgttctta	2040
agtgcctgag	actggaacca	aaattaaatt	gtacttcata	aaatcctctt	atagagttac	2100
tcttgcccta	gattgtaaat	taagtttggc	attattgtca	gactggatgg	aggggtgaagt	2160
aaaatagtat	gaacaattaa	gaggetctcc	ccctcttgtc	tttaagccat	attctcctac	2220
atgtatttta	taagaaaatg	ttaagtcaaa	ttttagtggc	tctttaattc	ctgacctctt	2280
cattctcctt	ttcagtataa	cctcccctat	gctcatgccc	acacagacaa	aaaaacaaaa	2340
cgaataacac	acagaaaaaa	gtctttccaa	actgtttaag	tatttaaaaa	tctgagccaa	2400
agcagataga	agttattgta	taattgttaa	tcactttgca	aataggggct	atcaaattac	2460
ctatatggc	attgctggat	tataaactct	atatctgtaa	tataaagtgt	ttgagttttt	2520
aattgggctg	ttatgatcag	taattgattt	tgagaaagct	ctatgagctc	taagtaactg	2580
catggttttt	tgtttaatgt	aatataggag	acccttcaca	ttcccaagga	atatattcca	2640
aaacattttt	gtgaatatct	aagtttgtga	aactactagg	gcatgataca	gtaagggtgta	2700
attacagaat	ttacgaaatg	taaatggcct	ctacagagtt	ttatggaata	cctggtacta	2760
acgtaggcag	ctgcaaaacc	acactgagtt	acagctgtca	gccctcctca	ttcctaaata	2820
acttgcccta	catatcagcc	ctcccacttc	tgaagttcaa	attagtgccct	cggaaatgta	2880
gaattttatta	tttgtcattt	ttttttttta	gcatagattg	agaacagttg	aactcttaaa	2940
tcctcagatg	ccaggggtct	gctctagcat	cagtaagtat	ttagcagaaa	ctaactccgt	3000
aatgaatgga	attcaattcc	acacatgggt	tgttcaagca	cacttaataa	gtagcctatt	3060
ttttaaatgt	cttttttaaaa	tgtaaatatt	tggatgaagt	ttttctttgt	tttgatatat	3120

tcattttgcta	caccaactat	gttttcagaa	ttcatctttt	gaacaacttg	gtttcagaat	3180
atgtaaaatg	actttaagga	tcttgtgtat	caaacctatc	cccggatgtg	tgagaataat	3240
gtgttcataa	agcatggatc	tcgtaaaaaa	aaaaaaaaaa	aaaaa		3285

<210> 3
 <211> 1545
 <212> DNA
 <213> Homo sapiens
 <400> 3

gaagacacca	ccggaagcaa	ggaaggtgct	gtgtaatcat	taaggagcgg	aggcttttgg	60
agctgctaaa	atgccggatt	acctcgggtgc	cgatcagcgg	aagaccaaag	aggatgagaa	120
ggacgacaag	cccatccgag	ctctggatga	gggggatatt	gccttggtga	aaacttatgg	180
tcagagcact	tactctaggc	agatcaagca	agttgaagat	gacattcagc	aacttctcaa	240
gaaaattaat	gagctcactg	gtattaaaga	atctgacact	ggcctggccc	caccagcact	300
ctgggatttg	gctgcagata	agcagacact	ccagagtga	cagcctttac	aggttgccag	360
gtgtacaaa	ataatcaatg	ctgattcggga	ggacccaaaa	tacattatca	acgtaaagca	420
gtttgccaa	tttgtgggtg	accttagtga	tcaggtggca	cctactgaca	ttgaagaagg	480
gatgagagt	ggcgtggata	gaaataaata	tcaaattcac	attccattgc	ctcctaagat	540
tgacccaaca	gttaccatga	tgcaggtgga	agagaaacct	gatgtcacat	acagtgatgt	600
tggtggctgt	aaggaacaga	ttgagaaact	gcgagaagta	gttgaaacce	cattacttca	660
tccagagagg	tttgtgaacc	ttggcattga	gcctcccaag	ggcgtgctgc	tctttggtcc	720
accgggtaca	ggcaagacac	tctgtgcgcg	ggcagttgct	aatcggactg	atgctgctt	780
cattcgagtt	attggatctg	agcttgtaca	gaaatacgtc	ggtgaggggg	ctcgaatggt	840
tcgtgaactc	tttgaaatgg	ccagaacaaa	aaaagcctgc	cttatcttct	ttgatgaaat	900
tgatgctatt	ggaggggctc	gttttgatga	tgggtgctgga	ggtgacaatg	aagtgcagag	960
aacaatgttg	gaactgatca	atcagcttga	tggttttgat	cctcgaggca	atattaaagt	1020
gctgatggcc	actaacagac	ctgatacttt	ggatccagca	ctgatgaggc	cagggagatt	1080
ggatagaaaa	attgaattta	gcttgcccga	tctagagggg	cggaccacaca	tattttaagat	1140
tcacgctcgt	tcaatgagtg	ttgaaagaga	tatcagattt	gaactgttag	cacgactgtg	1200
tccaaatagc	actgggtgctg	agattagaag	cgtctgcaca	gaggctggta	tgtttgccat	1260
cagagcacgg	cgaaaaattg	ctaccgagaa	ggatttcttg	gaagctgtaa	ataaggtcat	1320
taagtcttat	gccaaattca	gtgctactcc	tcgttacatg	acatacaact	gaaccctgaa	1380
ggctttcaag	tgaaaacttt	aaattggaat	cctaacctta	tatagacttg	ttaataacca	1440
attcataaac	aaataaatgg	cttcaaaatt	gtatgctttt	ttccatatct	cttcttgtaa	1500
tataataaaa	ggtgatttct	aatgttaaaa	aaaaaaaaaa	aaaaa		1545

<210> 4
 <211> 1976
 <212> DNA
 <213> Homo sapiens
 <400> 4

gccacacggt	ctttgagctg	agtcgaggtg	gaccctttga	acgcagtcgc	cctacagccg	60
ctgattcccc	ccgcctcgcc	tcccgtggaa	gcccaggccc	gcttcgcagc	tttctccctt	120
tgtctcataa	ccatgtccac	caacgagaat	gctaatacac	cagctgcccg	tcttcacaga	180
ttcaagaaca	agggaaaaga	cagtacagaa	atgaggcgtc	gcagaataga	ggtcaatgtg	240
gagctgagga	aagctaagaa	ggatgaccag	atgctgaaga	ggagaaatgt	aagctcat	300
cctgatgatg	ctacttctcc	gctgcaggaa	aaccgcaaca	accagggcac	tgtaaatggg	360
tctgttgatg	acattgtcaa	aggcataaat	agcagcaatg	tggaaaatca	gctccaagct	420
actcaagctg	ccaggaaact	actttccaga	gaaaaacagc	cccccataga	caacataatc	480
cgggctgggt	tgattccgaa	atttgtgtcc	ttcttgggca	gaactgattg	tagtcccat	540
cagtttgaat	ctgcttgggc	actcactaac	attgcttctg	ggacatcaga	acaaaccaag	600
gctgtggtag	atggaggtgc	catcccagca	ttcatttctc	tgttggcatc	tccccatgct	660
cacatcagtg	aacaagctgt	ctgggctcta	ggaacatttg	caggtgatgg	ctcagtgctc	720
cgagacttgg	ttattaagta	cgggtgcagtt	gacccactgt	tggctctcct	tgagttcct	780
gatatgtcat	ctttagcatg	tggctactta	cgtaatctta	cctggacact	ttctaattct	840
tgccgcaaca	agaatcctgc	accccgata	gatgctgttg	agcagattct	tcctacctta	900
gttcggctcc	tgcattcatga	tgatccagaa	gtgttagcag	atacctgctg	ggctatttcc	960

taccttactg	atgggtccaaa	tgaacgaatt	ggcatggtgg	tgaaaacagg	agttgtgcc	1020
caacttgtga	agcttctagg	agcttctgaa	ttgccaatg	tgactcctgc	cctaagagcc	1080
ataggggaata	ttgtcactgg	tacagatgaa	cagactcagg	ttgtgattga	tgaggagca	1140
ctcgccgtct	ttcccagcct	gctcaccaac	cccaaaacta	acattcagaa	ggaagctacg	1200
tggacaatgt	caaacatcac	agccggccgc	caggaccaga	tacagcaagt	tgtgaatcat	1260
ggattagtc	cattccttgt	cagtgttctc	tctaaggcag	attttaagac	acaaaaggaa	1320
gctgtgtggg	ccgtgaccaa	ctataccagt	ggtggaacag	ttgaacagat	tgtgtacctt	1380
gttcactgtg	gcataataga	accgttgatg	aacctcttaa	ctgcaaaaga	taccaagatt	1440
attctggtta	tcctggatgc	catttcaaat	atctttcagg	ctgctgagaa	actaggtgaa	1500
actgagaaac	ttagtataat	gattgaagaa	tgtggaggct	tagacaaaat	tgaagctcta	1560
caaaaccatg	aaaatgagtc	tgtgtataag	gcttcgttaa	gcttaattga	gaagtatttc	1620
tctgtagagg	aagaggaaga	tcaaaacggt	gtaccagaaa	ctacctctga	aggctacact	1680
ttccaagttc	aggatggggc	tcctgggacc	tttaactttt	agatcatgta	gctgagacat	1740
aaatttggtg	tgtactacgt	ttggtatttt	gtcttattgt	ttctctacta	agaactcttt	1800
cttaaatgtg	gtttgttact	gtagcacttt	ttacactgaa	actatacttg	aacagttcca	1860
actgtacata	catactgtat	gaagcttgct	ctctgactag	gtttctaat	tctatgtgga	1920
atttcctatc	ttgcagcatc	ctgtaaataa	acattcaagt	ccacccttaa	aaaaaa	1976

<210> 5
 <211> 3579
 <212> DNA
 <213> Homo sapiens
 <400> 5

tcaggetcgc	tgtcgcgcc	ttttgccggg	gtttgaatgt	gaggcggagc	ggcggcagga	60
gcggttagtg	ccagctacgg	tccgcggctg	gggttccctc	ctccgtttct	gtatccccac	120
gagatcctat	agcaatggaa	ctcagcgatg	caaatctgca	aacactaaca	gaatatTTAA	180
agaaaacact	tgatcctgat	cctgccatcc	gacgtccagc	tgagaaattt	cttgaatctg	240
ttgaaggaaa	tcagaattat	ccactgttgc	ttttgacatt	actggagaag	tcccaggata	300
atgttatcaa	agtatgtgct	tcagtaacat	tcaaaaacta	tattaaaagg	aactggagaa	360
ttgttgaaga	tgaaccaaac	aaaatttgtg	aagccgatcg	agtggccatt	aaagccaaca	420
tagtgcactt	gatgcttagc	agcccagagc	aaattcagaa	gcagttaagt	gatgcaatta	480
gcattattgg	cagagaagat	tttccacaga	aatggcctga	cttgcctgaca	gaaatggtga	540
atcgctttca	gagtggagat	ttccatgtta	ttaatggagt	cctccgtaca	gcacattcat	600
tattttaaag	ataccgtcat	gaatttaagt	caaacgagtt	atggactgaa	attaagcttg	660
ttctggatgc	ctttgctttg	cctttgacta	atctttttta	ggccactatt	gaactctgca	720
gtacccatgc	aaatgatgcc	tctgccctga	ggattctgtt	ttcttccctg	atcctgatct	780
caaaattgtt	ctatagtTTA	aactttcagg	atctccctga	attttttgaa	gataatatgg	840
aaacttggat	gaataatttt	catactctct	taacattgga	taataagctt	ttacaaactg	900
atgatgaaga	ggaagccggc	ttattggagc	tcttaaaatc	ccagatttgt	gataatgccg	960
cactctatgc	acaaaagtac	gatgaagaat	tccagcgata	cctgcctcgt	tttgttacag	1020
ccatctggaa	tttactagtt	acaacgggtc	aagaggTTAA	atatgatttg	ttggtaagta	1080
atgcaattca	atttctggct	tcagtttgtg	agagacctca	ttataagaat	ctatttgagg	1140
accagaacac	gctgacaagt	atctgtgaaa	aggttattgt	gcctaacatg	gaatttagag	1200
ctgctgatga	agaagcattt	gaagataatt	ctgaggagta	cataaggaga	gatttggaag	1260
gatctgatat	tgatactaga	cgcagggtcg	cttgtgatct	ggtacgagga	ttatgcaagt	1320
tttttgaggg	acctgtgaca	ggaatcttct	ctggttatgt	taattccatg	ctgcaggaat	1380
acgcaaaaaa	tccatctgtc	aactggaaac	acaaagatgc	agccatctac	ctagtgacat	1440
ctttggcatc	aaaagcccaa	acacagaagc	atggaattac	acaagcaa	gaacttgtaa	1500
acctaactga	gttctttgtg	aatcacatcc	tccctgattt	aaaatcagct	aatgtgaatg	1560
aatttcctgt	ccttaaagct	gacggtatca	aatatattat	gattttttaga	aatcaagtgc	1620
caaaagaaca	tcttttagtc	tcgattcctc	tcttgattaa	tcatcttcaa	gctgaaagta	1680
ttgttgttca	tacttacgca	gctcatgctc	ttgaacggct	ctttactatg	cgagggccta	1740
acaatgccac	tctctttaca	gctgcagaaa	tcgcaccgtt	tgttgagatt	ctgctaacaa	1800
accttttcaa	agctctcaca	cttcctggct	cttcagaaaa	tgaatatatt	atgaaagcta	1860
tcatgagaag	tttttctctc	ctacaagaag	ccataatccc	ctacatccct	actctcatca	1920
ctcagcttac	acagaagcta	ttagctgtta	gtaagaaccc	aagcaaacct	cactttaatc	1980
actacatggt	tgaagcaata	tgtttatcca	taagaataac	ttgcaaagct	aacctgtctg	2040

ctgttgtaaa	ttttgaggag	gctttgtttt	tggtgtttac	tgaaatctta	caaaatgatg	2100
tgcaagaatt	tattccatac	gtctttcaag	tgatgtcttt	gcttctggaa	acacacaaaa	2160
atgacatccc	gtcttcctat	atggccttat	ttctcatct	ccttcagcca	gtgctttggg	2220
aaagaacagg	aatatttcct	gctctagtga	ggcttcttca	agcattctta	gaacgcggtt	2280
caaacacaat	agcaagtgc	gcagctgaca	aaattcctgg	gttactaggt	gtctttcaga	2340
agctgattgc	atccaaagca	aatgaccacc	aagggtttta	tcttctaaac	agtataatag	2400
agcacatgcc	tectgaatca	gttgaccaat	ataggaaaca	aatcttcatt	ctgctattcc	2460
agagacttca	gaattccaaa	acaaccaagt	ttatcaagag	ttttttagtc	tttattaatt	2520
tgtattgcat	aaaatatggg	gcactagcac	tacaagaaat	atttgatgg	atacaaccaa	2580
aatgttttg	aatggttttg	gaaaaaatta	ttattcctga	aattcagaag	gtatctggaa	2640
atgtagagaa	aaagatctgt	gcggttggca	taaccaaat	actaacagaa	tgtccccc	2700
tgatggacac	tgagtatacc	aaactgtgga	ctccattatt	acagtctttg	attggtcttt	2760
ttgagttacc	cgaagatgat	accattcctg	atgaggaaca	ttttattgac	atagaagata	2820
caccaggata	tcagactgcc	ttctcacagt	tggcatttgc	tgggaaaaaa	gagcatgatc	2880
ctgtaggtca	aatggtgaat	aacccccaaa	ttcacctggc	acagtcactt	cacaagttgt	2940
ctaccgcctg	tccaggaagg	gttccatcaa	tggtgagcac	cagcctgaat	gcagaagcgc	3000
tccagtatct	ccaaggggtac	cttcaggcag	ccagtgtgac	actgcttta	actgcatttt	3060
tctaattggc	taaaccaga	tggtttctta	ggaaatcaca	ggcttctgag	cacagctgca	3120
ttaaaacaaa	ggaagtcttc	cttttgaact	tgtcacgaat	tccatcttgt	aaaggatatt	3180
aatgtttgct	ttaacctgaa	ccttgagcaa	attagtgggt	ttgtgtgatc	atacagttat	3240
gtgggtggct	tctagtttgc	aacttcaagg	gacaagtatt	aatagttcag	tgtatggcgt	3300
tggtttgtgt	tgagcgtttg	cacggtttgg	ataatcttaa	attttgacgg	acactgtgga	3360
gactttctgt	tactaaatcc	ttttgttttg	aagctgttgc	tatttgtatt	tctcttgtcc	3420
tttatatttt	ttgtctgttt	atttacgctt	ttattgaaa	tgtgaataag	taaagaatta	3480
cttgtgttac	ttgccaagca	gtgcacattt	catagtttca	aatctgtaat	cagcaataaa	3540
aatcctaaaa	tatgtacct	aaaaaaaaaa	aaaaaaaaaa			3579

<210> 6

<211> 1396

<212> DNA

<213> Homo sapiens

<400> 6

gcgtaattaa	aaggcggcgg	aagaagggtgg	gagggtcatg	acgcagcgag	tttcagtcgt	60
gacttttctg	ggggcatcgc	ggcgccccct	tttttttgcc	tttaaagtaa	aacgtcgccc	120
cgacgcaccc	cccgctatt	tcggggggcg	gaggcggcgg	gccacggcgc	gaagaggggc	180
ggtgctgacg	cggcgcggtc	acgtgggcgt	gttgtggggg	ggaggggcgc	cgccgcgcgg	240
tcggttcccg	gcggttggga	gcgcgcgagc	tagcgagcga	gaggcagccg	cgcccgccgc	300
cgccccctgt	ctgtatgccg	ctctctcccc	gcgcggccgc	cgccgatcac	agcagcagga	360
gccaccgcgg	ccgcggttga	tgtggttggg	ccggggctga	ggagggccgc	aagatgccgc	420
agtccaagtc	ccggaagatc	gcgatcctgg	gctaccggtc	tgtggggaaa	tcctcattga	480
cgattcaatt	tgttgaaggc	caatttgttg	actcctacga	tccaaccata	gaaaacactt	540
ttacaaaagt	gatcacagta	aatggacaag	aatatcatct	tcaacttgta	gacacagccg	600
ggcaagatga	atattctatc	tttcctcaga	catactccat	agatattaat	ggctatattc	660
ttgtgtattc	tgttacatca	atcaaaagtt	ttgaagtgat	taaagttatc	catggcaa	720
tgttgatgat	ggtggggaaa	gtacaaatac	ctattatggt	ggttgggaat	aagaaagacc	780
tgcatatgga	aagggtgatc	agttatgaag	aagggaaagc	tttggcagaa	tcttggaatg	840
cagctttttt	ggaatcttct	gctaagaaa	atcagactgc	tgtggatggt	tttcgaagga	900
taatttttga	ggcagaaaaa	atggacgggg	cagcttcaca	aggcaagtct	tcatgctcgg	960
tgatgtgatt	ctgctgcaaa	gcctgaggac	actgggaata	tattctacct	gaagaagcaa	1020
actgcccgtt	ctccttgaag	ataaaactatg	cttctttttt	cttctgttaa	cctgaaagat	1080
atcatttggg	tcagagctcc	cctcccttca	gattatgtta	actctgagtc	tgtccaaatg	1140
agttcacttc	cattttcaca	ttttaagcaa	tcatattttc	aatttatata	ttgtatttct	1200
taatattatg	accaagaatt	ttatcggc	taatttttca	gtgtagtgtt	ttgtttaaaa	1260
taatgtaatc	atcaaatga	tgcataattgt	tacactacta	ttaactaggc	ttcagtatat	1320
cagtgtttat	ttcattgtgt	taaatgtata	cttgtaaata	aaatagctgc	a	